

**COMPOSITIONS AND METHODS FOR THE TREATMENT OF CANCER**

**ABSTRACT**

This invention relates to compositions comprising temozolomide and thalidomide  
5 which can be used in the treatment or prevention of cancer, in particular malignant  
melanoma, cancer of the skin, subcutaneous tissue, lymph nodes, brain, lung, liver, bone,  
intestine, colon, heart, pancreas, adrenals, kidney, prostate, breast, colorectal, or a  
combination thereof. A particular composition comprises temozolomide, or a  
pharmaceutically acceptable salt, solvate, or clathrate thereof, and thalidomide, or a  
10 pharmaceutically acceptable salt, solvate, or clathrate thereof. The invention also relates to  
methods of treating or preventing cancer, in particular malignant melanoma, cancer of the  
skin, subcutaneous tissue, lymph nodes, brain, lung, liver, bone, intestine, colon, heart,  
pancreas, adrenals, kidney, prostate, breast, colorectal, or a combination thereof, which  
comprise the administration of temozolomide and thalidomide and another anti-cancer drug  
15 to a patient in need of such treatment or prevention. The invention further relates to  
methods of reducing or avoiding adverse side effects associated with the administration of  
cancer chemotherapy or radiation therapy which comprise the administration of  
temozolomide and thalidomide to a patient in need of such reduction or avoidance.